

Somerville Dam and Somerville Lake

OWNER

The U.S. Government. Operated by the U.S. Army Corps of Engineers, Fort Worth District.

ENGINEER (Design)

U.S. Army Corps of Engineers.

LOCATION

On Yegua Creek in Burleson and Washington Counties, 2 miles south of Somerville.

DRAINAGE AREA

1,006 square miles.

DAM

TypeEarthfill

Length20,210 ft plus 4,715 ft of dike at right of spillway

Maximum height80 ft

Top width (spillway section)20 ft

Top width (embankment section)34 ft

SPILLWAY

TypeOgee

Length1,250 ft

Crest elevation258.0 ft above msl

ControlNone

OUTLET WORKS

Type1 conduit, 10 ft diameter

Invert elevation206.0 ft above msl

Control2 gates, each 5 by 10 ft

AUTHORIZATION

Federal: Flood Control Act, September 3, 1954.

State: Permit No. 2110 (Application No. 2295) July 24, 1964, to the Brazos River Authority authorizes impoundment of 160,110 acre-feet of water with annual diversion of 50,000 acre-feet for municipal purposes, 50,000 acre-feet for industrial use, and 50,000 acre-feet for irrigation. Diversion with priority of rights is limited to 48,000 acre-feet annually.

RESERVOIR DATA (Based on U.S. Geological Survey topographic maps dated 1959)

FEATURE	ELEVATION (FEET ABOVE MSL)	CAPACITY (ACRE-FEET)	AREA (ACRES)
Top of dam	280.0	—	—
Maximum design water surface	274.5	1,028,800	39,800
Spillway crest	258.0	507,500	24,400
Top of conservation storage space	238.0	160,100	11,460
Maximum tailwater	243.8	—	—
Streambed	200.0	0	0
Sediment reserve below	238.0	16,200	—
Sediment reserve above	238.0	9,700	—
Usable conservation storage space	—	143,900	—

GENERAL

Construction startedJune 4, 1962

Deliberate impoundment beganJanuary 3, 1967

Dam completedOctober 27, 1967

General contractorClement Brothers Company, Inc.,
Hickory, North Carolina

Estimated project cost\$21,700,000

